

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

KINKELAAR et al. Atty. Dkt. No. 024948-00050

Serial No.: To Be Assigned Examiner: To Be Assigned

Filed: Herewith Art Unit: To Be Assigned

For: ORIENTATION INDEPENDENT FUEL RESERVOIR
CONTAINING LIQUID FUEL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: September 22, 2003

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.
- 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

- c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.
- 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.
- a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- 4. The references were cited by or submitted to the Office in parent application No. 10/329,776, filed December 27, 2002, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these references are not attached. 37 CFR § 1.98(d).

Respectfully submitted,

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Enclosure: PTO Form 1449
199626_1.DOC

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 024948-00050	SERIAL NO. Filed Herewith
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT KINKELAAR et al.	
		FILING DATE Filed Herewith	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	2,305,923	12/22/1942	Held			3/21/1939
	AB	2,997,282	08/22/1961	Binter et al.			11/08/1957
	AC	3,207,441	09/21/1965	Schreiber			07/06/1961
	AD	3,334,789	08/08/1967	Kay et al.			06/01/1966
	AE	3,396,923	08/13/1968	Windecker			11/21/1966
	AF	3,428,222	02/18/1969	Wright			11/07/1966

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	YES	NO	PART.
	AG	WO 01/97314 A1	20 December 2001	WO			X			
	AH	WO 01/59865 A1	16 August 2001	WO			X			
	AI	0 107 396 B1	03 August 1988	EPO			X			
	AJ	2831 799 C2		DE						X
	AK	WO 98/21774	22 May 1998	WO			X			
	AL	39 07 819 C2		DE						X
	AM	57-080673	20 May 1982	JP						X
	AN	0 100 530 A2	15 February 1984	EPO			X			
	AO	WO 01/45189 A1	21 June 2001	WO			X			
	AP	59-066066	14 April 1984	JP						X
	AQ	2000-0025190	06 May 2000	KR						X
	AR	EP 1 087 455	March 28, 2001	EP						

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AS	3,561,639	02/09/1971	Allen	220	88	09/05/1968
	AT	3,567,536	03/02/1971	Wickersham, Jr.	156	78	02/07/1968
	AU	3,650,431	03/21/1972	Stewart	220	88	12/19/1969
	AV	3,691,620	09/19/1972	Harr	29	451	05/22/1969
	AW	3,708,330	01/02/1973	Harr	117	94	04/30/1969
	AX	3,782,588	01/01/1974	Allen	220	88	02/08/1971
	AY	3,881,457	05/06/1975	Benner et al.	123	136	05/09/1974
	AZ	3,896,964	07/29/1975	Takei et al.	220	88	11/07/1973
	BA	4,007,058	02/08/1977	Nelson et al.	429	34	12/11/1974
	BB	4,175,165	11/20/1979	Adlhart	429	30	07/20/1977
	BC	4,179,027	12/18/1979	Weisberg	206	205	08/24/1978
	BD	4,294,279	10/13/1981	Wyeth	137	264	05/31/1979
	BE	4,303,755	12/01/1981	Yukuta et al.	521	52	11/16/1979
	BF	4,463,068	07/31/1984	Cohn et al.	429	34	09/30/1982
	BG	4,467,019	08/21/1984	Feigenbaum	429	34	09/30/1982
	BH	4,537,840	08/27/1985	Tsukui et al.	429	33	08/01/1983
	BI	4,615,455	10/07/1986	Tansill	220	88	11/04/1985
	BJ	4,764,408	08/16/1988	Stedman et al.	428	71	01/19/1988
	BK	4,765,458	08/23/1988	Flanigen	206	0.7	10/14/1986
	BL	4,826,741	05/02/1989	Adlhart et al.	429	19	06/02/1987
	BM	5,298,207	03/29/1994	Mifune et al.	264	41	03/19/1992
	BN	5,319,841	06/14/1994	Yata et al.	29	451	06/24/1992

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EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	BO	5,374,711	12/20/1994	Toda et al.	536	16.8	09/15/1993
	BP	5,398,840	03/21/1995	Luhman et al.	220	563	05/24/1993
	BQ	5,432,023	07/11/1995	Yamada et al.	429	34	05/05/1994
	BR	5,529,855	06/25/1996	Watanabe	429	34	12/23/1993
	BS	5,534,363	07/09/1996	Sprouse et al.	429	34	03/22/1994
	BT	5,697,990	12/16/1997	Shakley et al.	48	174	12/11/1995
	BU	6,032,347	03/07/2000	Behr et al.	29	419.1	07/09/1998
	BV	6,054,228	04/25/2000	Cisar et al.	429	18	09/10/1997
	BW	6,334,674 B1	01/01/2002	Ono et al.	347	86	07/30/1996
	BX	6,460,733	10/08/2002	Acker et al.			
	BY	2001/0049045 A1	Published 12/06/2001	Hockaday et al.	429	34	03/30/2001
	BZ	2001/0051293 A1	Published 12/13/2001	Narayanan et al.	429	34	06/13/2001

OTHER REFERENCES (*Including Author, Title, Date, Pertinent Pages, Etc.*)

CA	Derwent Patent Abstract of DE 2831799
CB	Derwent Patent Abstract of DE 3907819
CC	Patent Abstracts of Japan of Publication No. 57-080673
CD	Korean Patent Abstracts of 000025190 A
CE	Patent Abstracts of Japan of Publication No. 59-066066

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EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	CF	3,615,845	10/26/1971	Gray	136	86	12/31/1968
	CG	3,992,223	11/16/1976	Guthier	429	14	07/18/1973
	CH	4,035,551	07/12/1977	Grevstad	429	44	09/01/1976
	CI	4,855,194	08/08/1989	Wright	429	38	02/05/1988
	CJ	4,876,162	10/24/1989	McElroy.	429	13	09/12/1988
	CK	5,224,843	07/06/1993	Van Lintel	417	413	2/13/1991
	CL	5,599,638	02/04/1997	Surampudi et al.	429	33	10/12/1993
	CM	5,840,414	11/24/1998	Bett et al.	428	307.7	11/15/1996
	CN	6,020,089	02/01/2000	Harada et al.	429	234	10/12/1995
	CO	6,117,592	09/12/2000	Hoshino et al.	429	235	04/27/1998

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO PART.
	CP	WO 01/39307 A2	31/05/2001	WIPO			X
	CQ	WO 01/39300 A2	31/05/2001	WIPO			X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

CR	Hallmark, J., "Miniature Fuel Cell Solutions for Portable Applications", Power 2000 Manufacturing Conference, San Diego, CA (September 24-27, 2000), 9 pages
CS	Smotkin, E., "Direct Methanol Fuel Cell Catalysis", Knowledge Foundation's Small Fuel Cells and Battery Technologies for Portable Power Applications Conference Washington DC (April 24, 2001), 11 pages
CT	Halpert, G., "The Direct Methanol Fuel Cell Prospects for Commercialization", The Road to Methanol Fuel Cell Vehicles A National Forum, Washington DC (February 4-5, 1999), 19 pages
CU	Hallmark, J., "Motorola's Small Fuel Cell Program", Fuel Cell Catalyst, Vol. 1, No. 3 (Spring 2001), 4 pages
CV	Ashley, S., "Fuel Cells Start to Look Real" Automotive Engineering International (March 2001) pp. 64-80 (Automotive Engineering International Online at www.sae.org/automag/features/fuelcells)
CW	Thomas, S. and Zalbowitz, M., "Fuel Cells - Green Power", Los Alamos National Laboratory (1999) 36 pages

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	CX	US 3,560,264	February 2, 1971	BIDDICK			11/4/1964
	CY	US 5,759,712	JUNE 2, 1998	HOCKADAY			1/6/1997
	CZ	US 6,326,097	December 4, 2001	HOCKADAY			12/10/1998
	DA	US 5,544,785	August 13, 1996	FRIGIERE			1/18/1994
	DB	US 6,460,733	October 8, 2002	ACKER			2/20/2001
	DC	US 5,573,866	November 12, 1996	VAN DINE			5/8/1995
	DD	US 2,339,366	January 18, 1944	WILLIAMS			3/31/1943

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO PART.
	DE	JP 2001-102069	APRIL 13, 2001	JAPAN			X
	DF	JP 2001-313046	November 9, 2001	JAPAN			X

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